

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number
WO 2004/005208 A1(51) International Patent Classification⁷: C03C 3/087,
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(21) International Application Number:

PCT/IB2003/002749

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(22) International Filing Date: 18 June 2003 (18.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

02077721.5

8 July 2002 (08.07.2002) EP

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AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, YU, ZA, ZM, ZW.

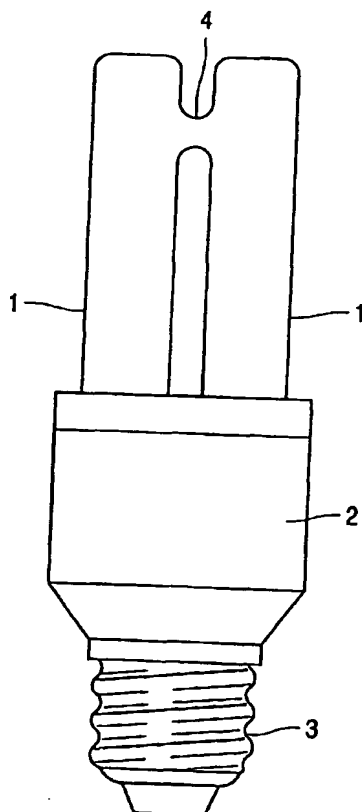
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(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: AN ELECTRIC LAMP COMPRISING A GLAS COMPONENT

(57) Abstract: The electric lamp has a glass component with a composition which, according to the invention, is substantially free of PbO and has the following constituents: 55-70 wt.% SiO₂, <0.1 weight% Al₂O₃, 0.5-4 weight% Li₂O, 0.5-3 weight% Na₂O, 10-15 wt.% K₂O, 0-3 wt.% MgO, 0-4 wt.% CaO, 0.5-5 wt.% SrO, 7-10 wt.% BaO. Preferably, the composition of the glass comprises: 65-70 wt.% SiO₂, 1.4-2.2 wt.% Li₂O, 1.5-2.5 wt.% Na₂O, 11-12.3 wt.% K₂O, 1.8-2.6 wt.% MgO, 2.5-5 wt.% CaO, 2-3.5 wt.% SrO, 8-9.5 wt.% BaO. The glass is preferably used as a CFL-envelope glass or as glass for a stem. The electric lamp made with a glass according to the invention has favorable fusion and processing properties, in particular a liquidus temperature T_{liq} ≤ 800°C.